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N.B. Safety Reports
(B & G drawings)

March 21, 1984
13155

Central Intelligence Agency
New Building Project Office
Room 3E40
CIA Headquarters Building
Washington, D. C.   20505

STAT   Attention: _____

Re: Fire Alarm and Building Management Systems
     Log 442

Gentlemen:

In the interest of effective and flexible use of the Fire
Alarm/Security System and the Building Management System, SH&G
recommends the following approach to the location of system
hardware components:

- The central processor for the Building Management
  System and one of two central processors for the Fire
  Alarm/Security System will be located in a 2 hour-rated
  Fire/Energy Center (Room 0G046) located on the south
  end of the ground floor in the new building. The
  redundant central processor required for the Fire
  Alarm/Security System will be located in the Elec-
  trical Closet (Room No. 0F016). (The separation is
  intended to provide survival in the event of physical
  damage).

- The Fire/Energy Center is approximately 36 ft. by 12
  ft. in plan. It will house hardware, as well as desks
  and filing cabinets, etc. as required by the government
  for maintaining records. Software development and
  revision will be done in this room.

- The Fire Alarm/Security System consists of three basic
  parts. The multiplex portion monitors and records the
  events and change. The one way voice system generates
  the voice and tone sounds thru the speaker system. The
  two-way fireman's telephone is designed primarily to
  assist the public fire fighting personnel as dedicated
  communication means.

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- The one-way voice and the two-way telephone systems do not have redundant control panels. Each control panel can be operated on a system- wide or a selective basis. During emergencies, these two mentioned means of communication need to be manned at the new Fire/Energy Center.

- The Fire Alarm/Security System will have peripheral equipment located in the existing building in the 24-hour manned security room identified by the Agency. This equipment, consisting of a CRT terminal and a printer, may be used to monitor the Fire Alarm System. The peripheral equipment will be provided (furnished & installed) under Bid Package No. 2. The copper or fiber optic interconnecting cable will be furnished under Bid Package No. 2 but installed by the Agency.

- The Building Management System (BMS) will have peripheral equipment in the 24-hour manned room in the existing building and in the Powerhouse. Like the Fire Alarm/Security System peripherals, this equipment will include a CRT terminal and a printer, and can be allowed any degree of monitoring and control access. Both sets of peripheral equipment will be furnished under Bid Package No. 2. Installation of the equipment in the both new and existing buildings will be done under Bid Package No. 2. Interconnection, either copper or fiber optics, will again be by the Agency. Installation of the equipment in the Powerhouse and the interconnection will be done under Bid Package No. 2.

Please review this material and advise us during the March 27 - 29 review of any questions or revisions needed.

Very truly yours,

Wm. Everett Medling, AIA
Project Manager

WEM:jeb